

## GENERAL NOTES:

### A. GENERAL NOTES:

1. TOPOGRAPHIC INFORMATION IS THE RESULT OF AN ON-THE-GROUND SURVEY PERFORMED BY DUCHARME & DILLIS CIVIL DESIGN GROUP, INC. ELEVATIONS REFER TO NGVD 1929 (SEE BENCH MARK LOCATED ON PLOT PLAN).
2. PROPERTY LINE AND LOCATION OF EXISTING SITE FEATURES ARE THE RESULT OF AN ON-THE-GROUND SURVEY BY DUCHARME & DILLIS CIVIL DESIGN GROUP, INC.
3. PROPERTY LINES SHALL BE STAKED PRIOR TO CONSTRUCTION OR INSTALLATION OF ANY OF THE PROPOSED IMPROVEMENTS HEREON.
4. ANY DEVIATIONS FROM THE DESIGN PLAN MUST BE APPROVED IN WRITING BY DUCHARME & DILLIS CIVIL DESIGN GROUP, INC.
5. EXISTING UTILITIES SHOWN ON THIS PLAN WERE COMPILED FROM FIELD MEASUREMENT AND RECORD PLANS. THE UTILITIES SHOWN ON THIS PLAN ARE FOR REFERENCE ONLY AND SHOULD NOT BE ASSUMED TO BE CORRECT NOR SHOULD IT BE ASSUMED THAT THE UTILITIES SHOWN ARE THE ONLY UTILITIES LOCATED ON OR NEAR THE SITE. THE CONTRACTOR SHALL CALL DIG SAFE 1-888-DIG-SAFE PRIOR TO CONSTRUCTION IN ACCORDANCE WITH STATE LAWS.
6. CONTRACTOR TO CONFIRM EXISTING LOCATION OF UTILITIES PRIOR TO CONSTRUCTION.

### B. CONSTRUCTION NOTES:

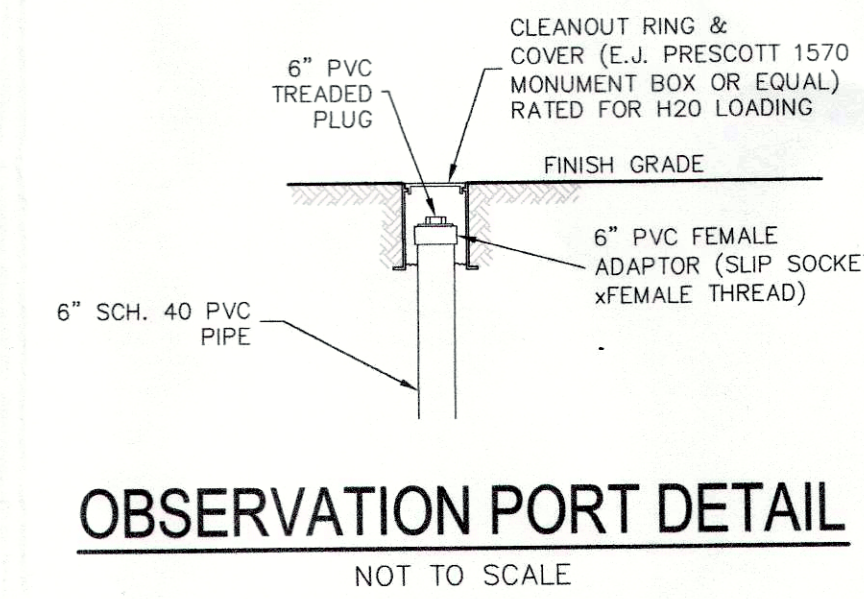
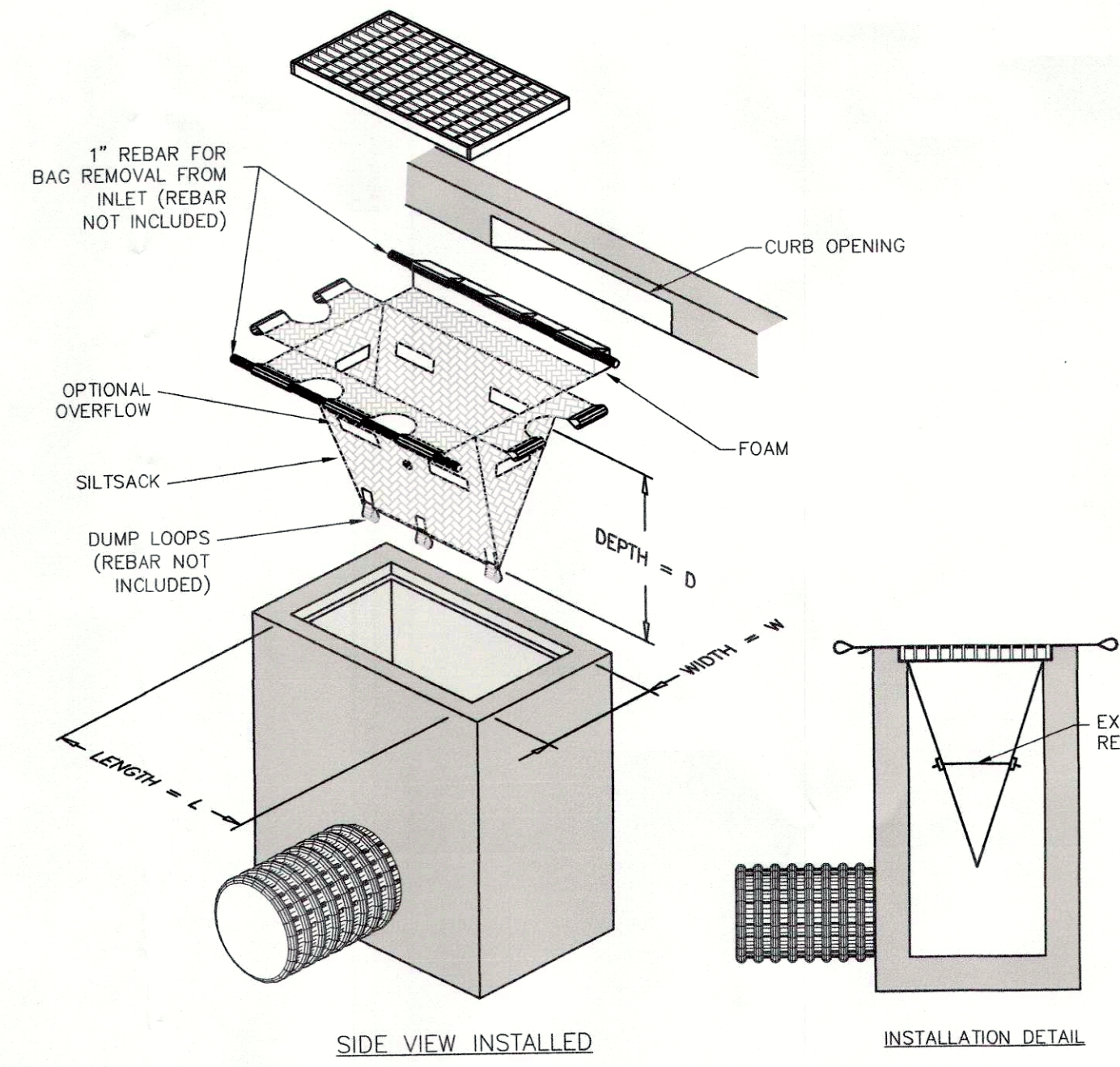
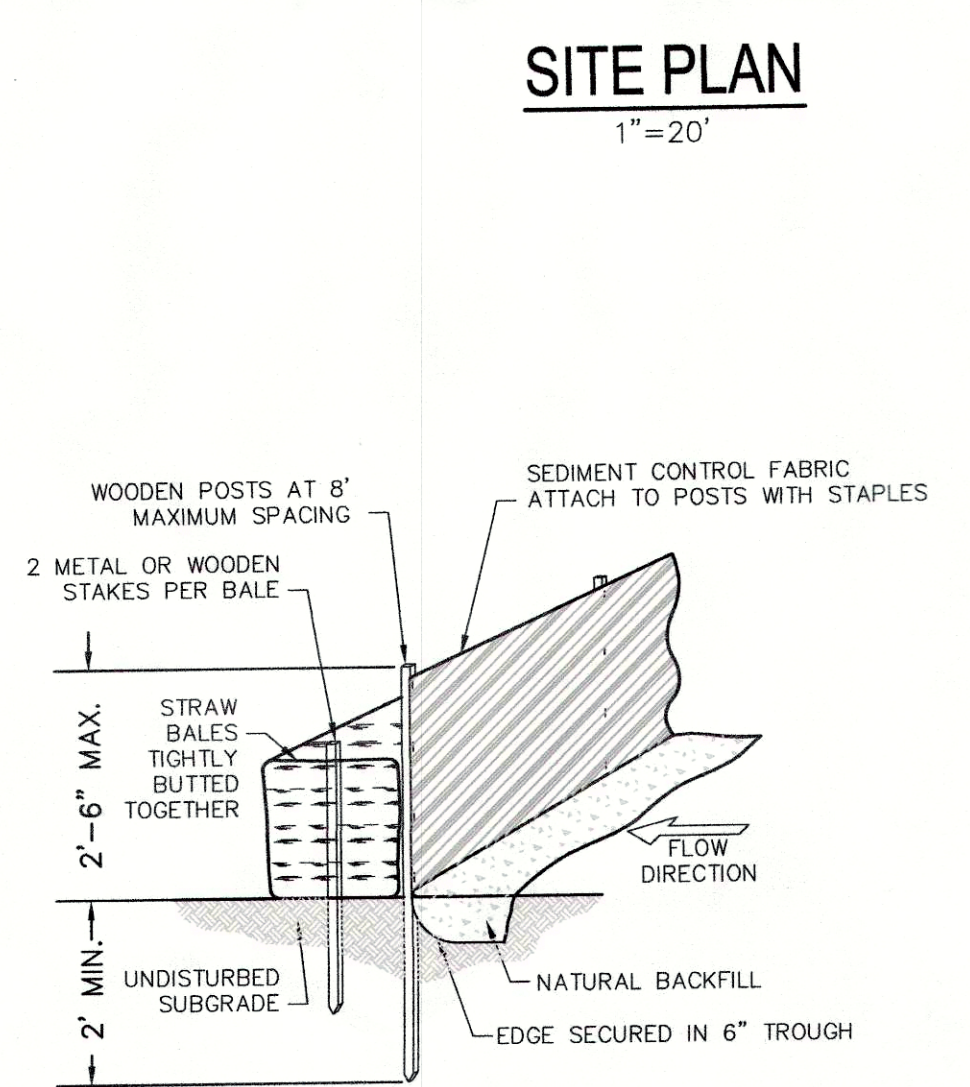
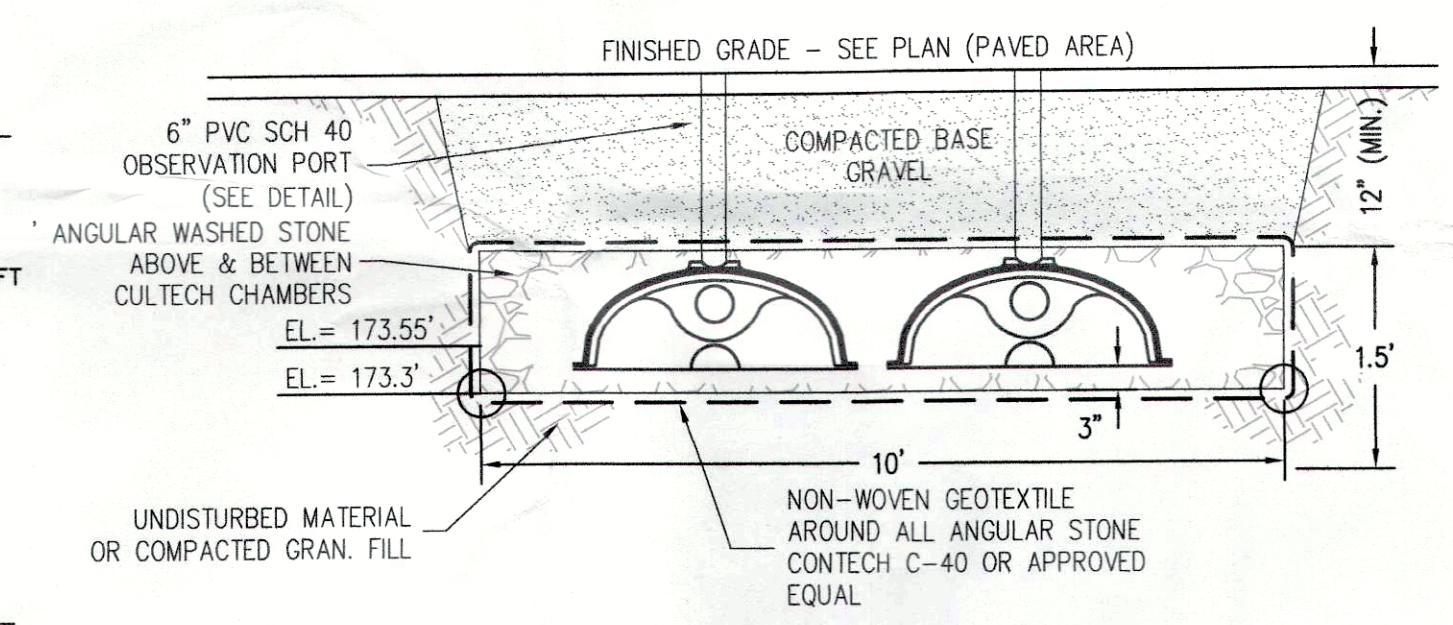
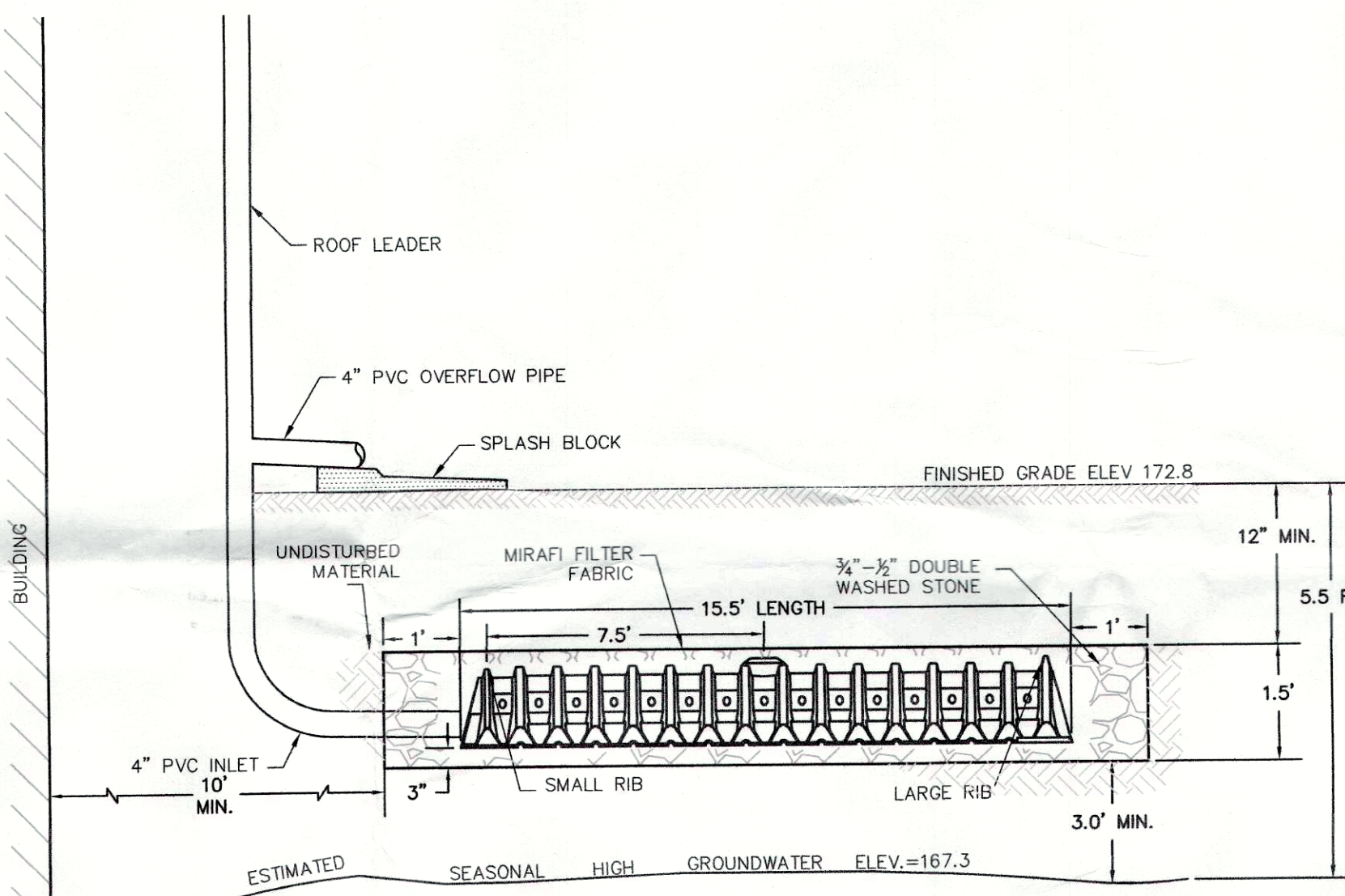
1. FINISH GRADING SHALL BE DONE IN ACCORDANCE WITH THE PLOT PLAN. ALL DISTURBED AREAS SHALL BE COVERED WITH A MINIMUM OF 4" OF LOAM AND SEEDED WITH A NATIVE GRASS MIXTURE OR OTHER APPROPRIATE LANDSCAPING TREATMENT.
2. CONTRACTOR TO SET EROSION CONTROL BARRIER PRIOR TO WORK AT THE SITE.
3. CONTRACTOR TO COORDINATE WITH APPROPRIATE UTILITY COMPANIES FOR TEMPORARY DISCONNECTIONS AND SERVICES CONNECTIONS, IF REQUIRED.
4. THE PROPOSED DRAIN LINES SHALL BE LAID ON A COMPACTED FIRM BASE.
5. ALL SANITARY PIPING SHALL BE MINIMUM OF SDR 35 UNLESS OTHERWISE NOTED.
6. ALL PIPE JOINTS AND CONNECTIONS TO SYSTEM COMPONENTS SHALL BE MECHANICALLY SOUND, WATER TIGHT AND PROTECTED AGAINST DAMAGE BY ROOTS. SOLVENT WELD JOINTS SHALL BE PROPERLY WIPED ON THE INSIDE TO ELIMINATE OBSTRUCTION OF FLOW.
7. ALL CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.
8. CONTRACTOR TO PERFORM ALL WORK IN CONFORMANCE WITH FRAMINGHAM DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS AND REQUIREMENTS.

### C. EROSION CONTROL SPECIFICATIONS

1. ALL EROSION CONTROL BARRIERS SHALL BE STRAW. NO HAY IS ALLOWED.
2. WORK SHALL BE PERFORMED DURING A DRY PERIOD TO THE MAXIMUM EXTENT FEASIBLE.
3. PLACE EROSION CONTROL BARRIER PER THE DETAIL ON THIS PLAN PRIOR TO CONSTRUCTION.
4. RESTORE DISTURBED AREAS IN ONE OF THE FOLLOWING WAYS AS INDICATED ON THE PLANS:
  - 4.1.1. VEGETATED UPLAND SLOPE AREAS - ALL UPLAND SLOPE AREAS SHALL BE RESTORED WITH A MINIMUM OF 4" TOPSOIL, SEED, FERTILIZER AND MULCH.
  - 4.1.2. VEGETATED SLOPES GREATER THAN 3-FOOT HORIZONTAL TO 1-FOOT VERTICAL SHALL BE RESTORED WITH EROSION CONTROL BLANKET SIMILAR TO NORTH AMERICAN GREEN (NAG-S75), OR APPROVED EQUAL.

### SOIL TEST DATA

DEPT	TEST	DEPTH	HOR.	TEX.	COLOR	MOTT.	G.W.	OTHER
DEPT	TEST	DEPTH	HOR.	TEX.	COLOR	MOTT.	G.W.	OTHER
DEPT	TEST	DEPTH	HOR.	TEX.	COLOR	MOTT.	G.W.	OTHER
DEPT	TEST	DEPTH	HOR.	TEX.	COLOR	MOTT.	G.W.	OTHER



**FRAMINGHAM PLANNING BOARD**  
SPECIAL PERMIT APPROVAL UNDER  
SECTION 14C.1 OF THE  
FRAMINGHAM ZONING BYLAWS

DATE: 11/5/15

**16 KARAL DRIVE**  
OWNER: GQGC LLC  
PLAN 877 OF 1955  
BK.62994 PG.340

**ZONING**  
ZONE R1  
PARCEL ID 261-1-108  
REQUIRED AREA 8,000 S.F.  
REQUIRED FRONTAGE 65'  
FRONT SETBACK 30'  
SIDE SETBACK 10'

PREPARED BY:  
**DUCHARME & DILLIS**  
Civil Design Group, Inc.  
CIVIL ENGINEERS • LAND SURVEYORS • WETLAND CONSULTANTS  
1092 MAIN STREET, P.O. BOX 428  
BOLTON, MASSACHUSETTS 01740  
PHONE: (978) 779-6091 FAX: (978) 779-0260  
www.DucharmeandDillis.com

OWNER:  
GQGC, LLC  
16 KARAL DRIVE  
FRAMINGHAM, MASSACHUSETTS

APPLICANT:  
GQGC, LLC  
7 GATES LANE  
HUDSON, NEW HAMPSHIRE

SCALE:  
20 0 10 20 40 80  
1 in. = 20 ft.  
COPYRIGHT DUCHARME & DILLIS CIVIL DESIGN GROUP, INC 2014

DATE:  
JUNE 2, 2015

DESIGN BY:  
SRD

DRAWN BY:  
SRD

CHECKED BY:  
GSR

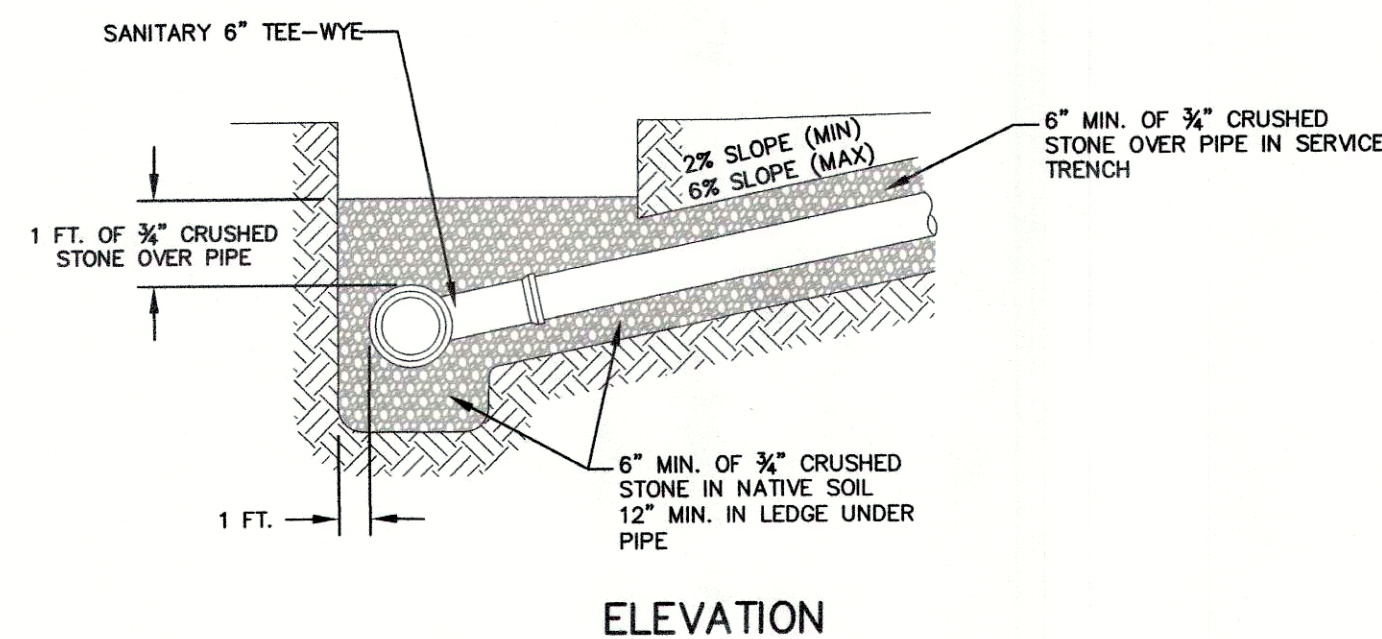
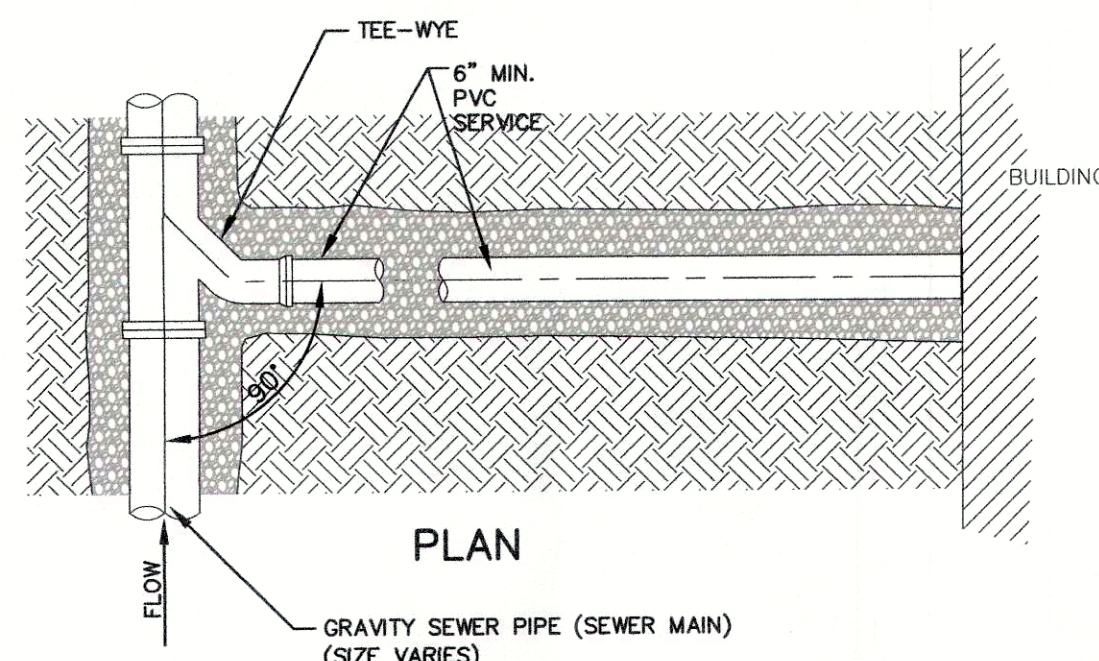
BUILDING PERMIT PLAN 16 KARAL DRIVE FRAMINGHAM, MASSACHUSETTS			
NO.	DATE	DESCRIPTION	BY
1.	9/18/15	REVISED PER PLANNING BOARD COMMENTS	PJW
2.	10/21/15	REVISED PER DPW & CON. COM. COMMENTS	PJW

JOB NO.  
5092

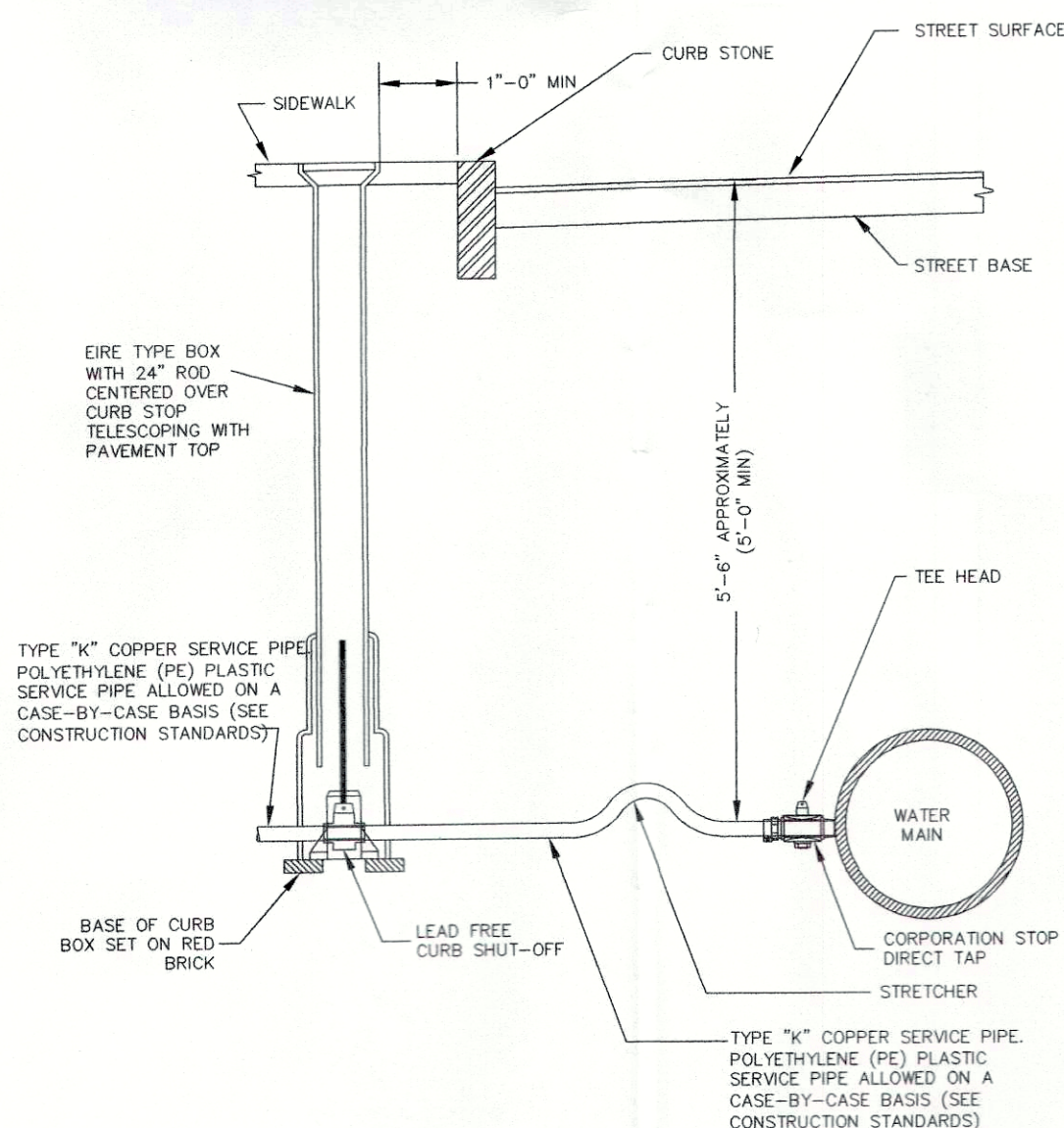
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5092

SHEET NO.  
1  
OF 2

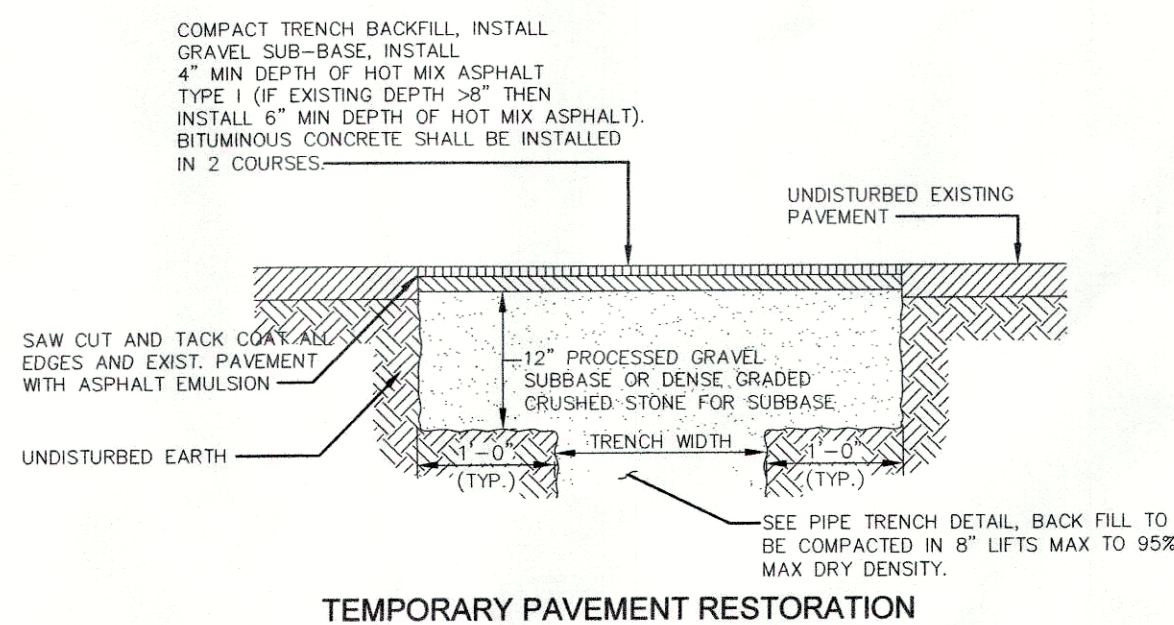
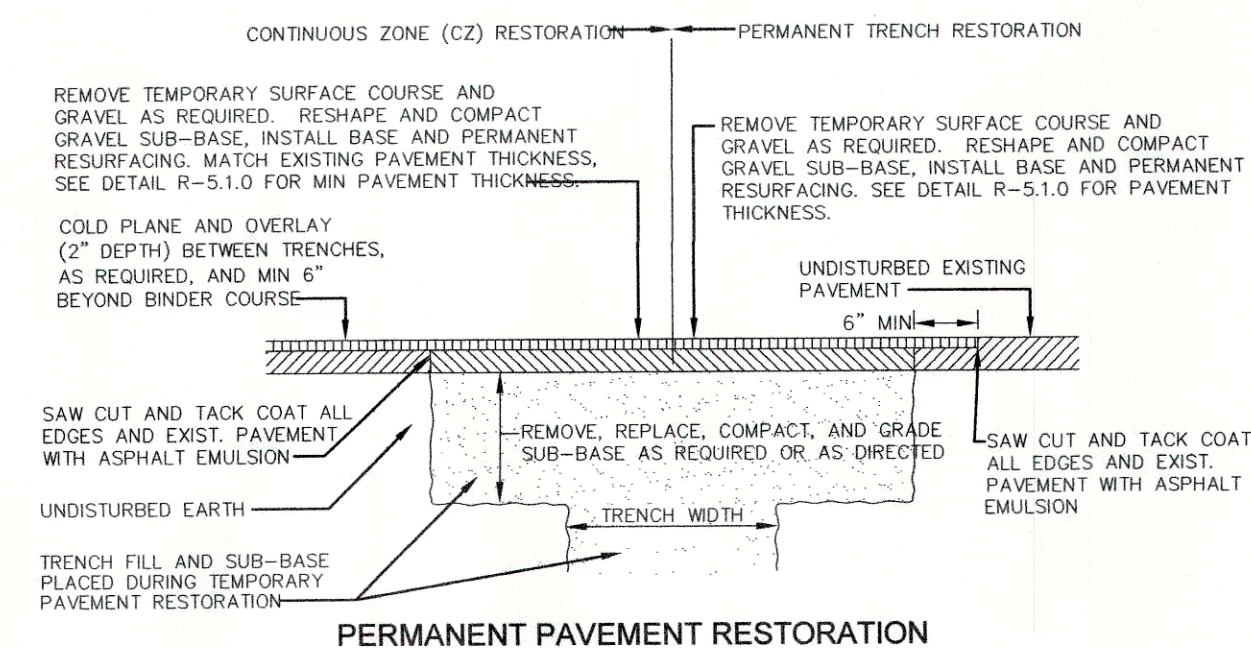




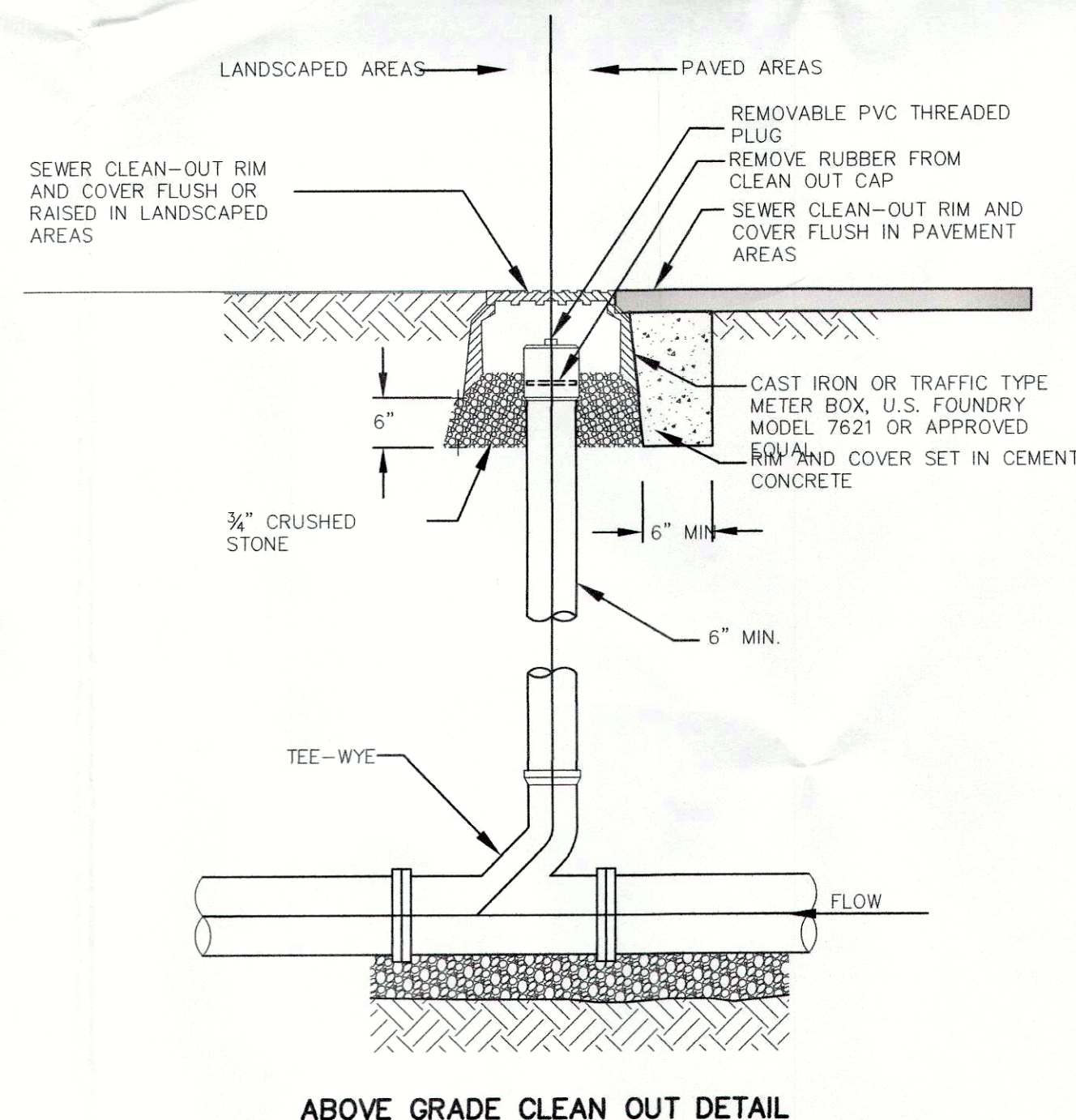
SERVICE CONNECTION  
(GRAVITY)



TYPICAL WATER CONNECTION  
FOR 1" SERVICE



SERVICE CONNECTION  
(GRAVITY)



ABOVE GRADE CLEAN OUT DETAIL

## GENERAL NOTES:

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FRAMINGHAM PLANNING BOARD  
SPECIAL PERMIT APPROVAL UNDER  
SECTIONS V.F.C.1 OF THE  
FRAMINGHAM ZONING BYLAWS

*[Signature]*  
DATE: 11/5/15

16 KARAL DRIVE  
OWNER: MARIA NEVES  
PLAN 877 OF 1955  
BK.62994 PG.340

ZONING  
ZONE R1  
PARCEL ID 261-1-108  
REQUIRED AREA 8,000 S.F.  
REQUIRED FRONTAGE 65'  
FRONT SETBACK 30'  
SIDE SETBACK 10'

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PHONE: (978) 779-6091 FAX: (978) 779-0260  
www.DucharmeandDillis.com

OWNER:

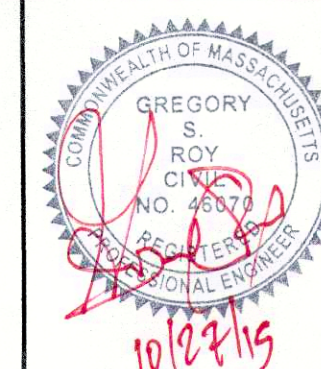
GQGC, LLC  
16 KARAL DRIVE  
FRAMINGHAM, MASSACHUSETTS

APPLICANT:

GQGC, LLC  
7 GATES LANE  
HUDSON, NEW HAMPSHIRE

SCALE:

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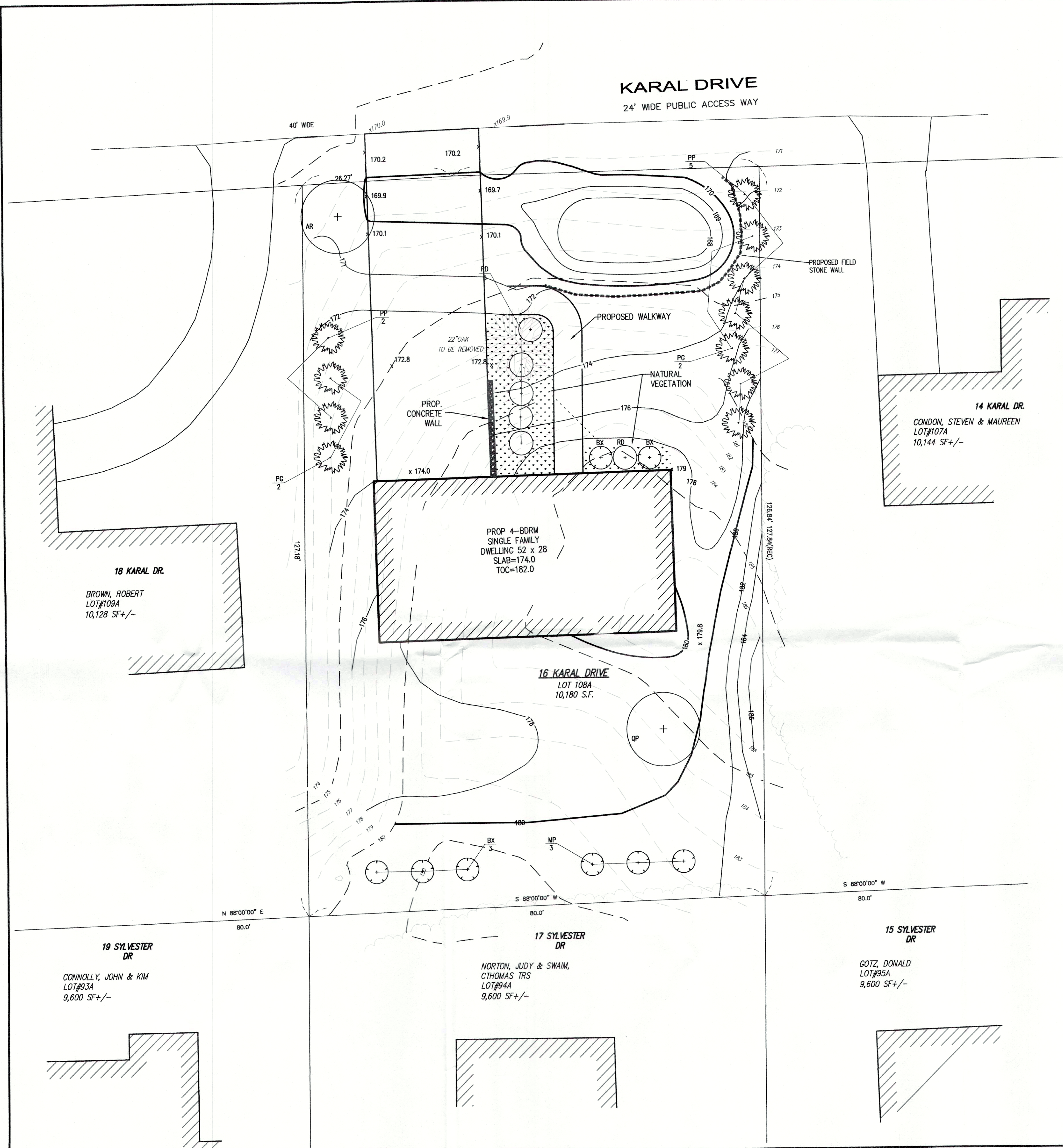
DATE:  
JUNE 2, 2015  
DESIGN BY:  
SRD  
DRAWN BY:  
SRD  
CHECKED BY:  
GSR

UTILITY DETAIL  
16 KARAL DRIVE  
FRAMINGHAM, MASSACHUSETTS

NO.	DATE	DESCRIPTION	BY
1.	9/18/15	REVISED PER PLANNING BOARD COMMENTS	PJW
2.	10/21/15	REVISED PER DPW & CON. COM. COMMENTS	PJW

JOB NO.  
5092  
DRAWING NO.  
5092  
SHEET NO.  
**2**  
OF 2



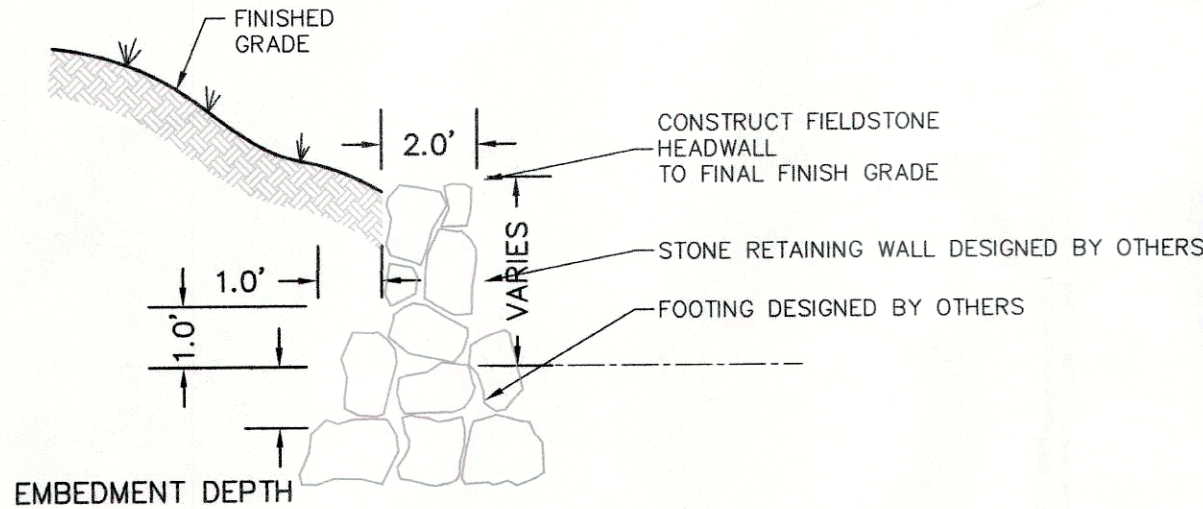


CONSTRUCTION NOTES:

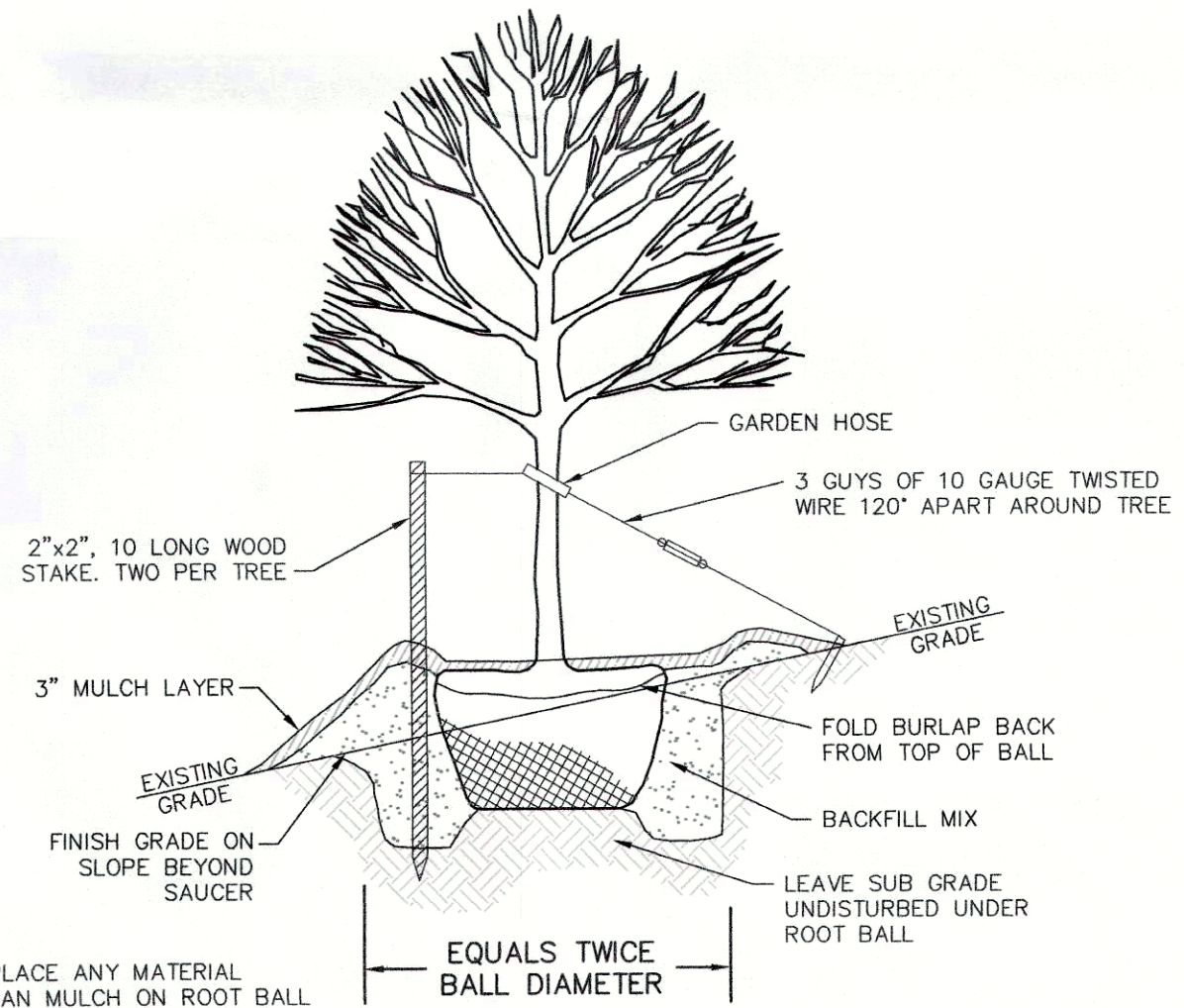
- A. GENERAL NOTES
1. TOPOGRAPHICAL & PROPERTY LINE INFORMATION SHOWN ON THIS PLAN WAS PREPARED BY DUCHARME & DILLIS CIVIL DESIGN GROUP, INC.
  2. ELEVATION FROM NAVD-1929, SEE BENCHMARK ON PLAN.
- C. EROSION AND SEDIMENTATION CONTROL SPECIFICATIONS:
1. WORK SHALL BE PERFORMED DURING A DRY PERIOD.
  2. RESTORE DISTURBED AREAS 4" TOPSOIL SEED FERTILIZER AND EROSION CONTROL MATTING SIMILAR TO TENSAR NORTH AMERICAN GREEN SC75, OR APPROVED EQUAL.
- D. PLANTING/RESTORATION SPECIFICATIONS:
1. ALL PROPOSED PLANTINGS TO BE NURSERY GROWN WITH A 1 YEAR WARRANTY PROVIDED BY THE SUPPLIER AND INSTALLER.
  2. PLANT ALL PLANTING AS DIRECTED BY THE NURSERY.

PLANTING SCHEDULE:

SYMBOL:	COMMON NAME:	BOTANICAL NAME:	SIZE:	SPACING:	QUANTITY:
	RED MAPLE	ACER RUBRUM	4-6' HEIGHT	AS SHOWN	1
	PIN OAK	QUERCUS PALUSTRIS	4-6' HEIGHT	AS SHOWN	1
	WHITE SPRUCE	PICEA GLAUCA	4-6' HEIGHT	AS SHOWN	4
	BLUE SPRUCE	PICEA PUNGENS	4-6' HEIGHT	AS SHOWN	7
	BAYBERRY	MYRICA PENSYLVANICA	2-4' HEIGHT	AS SHOWN	3
	BOXWOOD	BUXUS	2-4' HEIGHT	AS SHOWN	5
	AZALEA	RHODODENDRON	2-3' HEIGHT	AS SHOWN	6



FIELD STONE RETAINING WALL  
NOT TO SCALE

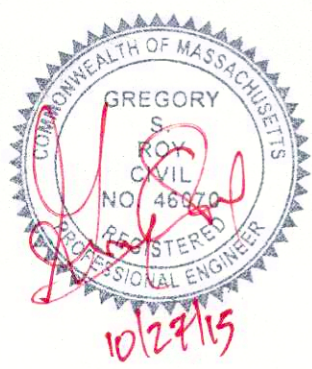
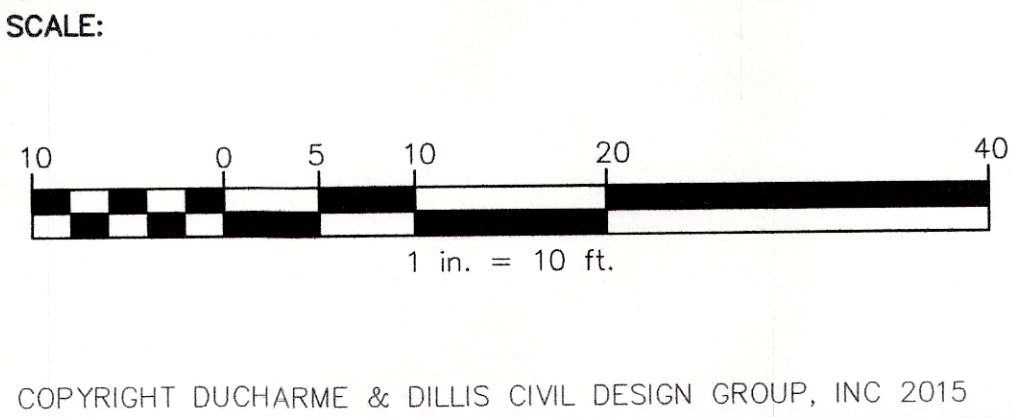


TREE PLANTING DETAIL  
NOT TO SCALE

FRAMINGHAM PLANNING BOARD  
SPECIAL PERMIT APPROVAL UNDER  
SECTIONS V.F.C.1 OF THE  
FRAMINGHAM ZONING BYLAWS  
DATE: 11/5/15

PREPARED BY:  
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OWNER:  
GQGC, LLC  
16 KARAL DRIVE  
FRAMINGHAM, MASSACHUSETTS  
APPLICANT:  
GQGC, LLC  
7 GATES LANE  
HUDSON, NEW HAMPSHIRE



DATE: 9/18/15  
DESIGN BY: GSR  
DRAWN BY: PJW  
CHECKED BY: GSR

LANDSCAPING PLAN 16 KARAL DRIVE FRAMINGHAM, MASSACHUSETTS			
NO.	DATE	DESCRIPTION	BY
1.	10/21/15	REVISED PER DPW & CON. COM. COMMENTS	PJW
2.	10/27/15	REVISED PER PLANNING BOARD COMMENTS	PJW

JOB NO. 5092  
DRAWING NO. 5092-LANDSCAPE  
SHEET NO. 1 OF 1